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## ROWAN COUNTY

### (Rowan County Water Service Area Map)

- Estimated 1999 population of 18,300--87% on public water
- Estimated 2020 population of 20,600--88% on public water
- 270 miles of water lines, with plans for 22 additional miles
- Estimated funding needs for public water 2000-2005--\$11,350,000
- Estimated funding needs for public water 2006-2020--\$800,000

Rowan County had an estimated population of 18,309 (7,810 households) in 1999 with a projected population of 20,623 (9,580 households) in 2020. Public water is provided to about 87 percent of the county's residents. In areas of the county not served by public water, about 70 percent of the households rely on private domestic wells and 30 percent of the households rely on other sources. About 90 customers will be added to public water service through new line extensions in 2000-2020.

#### *Estimated Costs - Proposed Projects, 2000-2005*

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	In \$1000	in \$1000	in \$1000	in \$1000	in \$1000
ROWAN								-
Morehead W/D	5	26	300			11,000		11,300
Rowan Co. Water Inc.	1	12	50					50
Total	6	38	350			11,000		11,350

#### *Estimated Costs - Proposed Projects, 2006-2020*

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
ROWAN								-
Morehead W/D								-
Rowan Co. Water Inc.	16	51	800					800
Total	16	51	800					800

### PUBLIC WATER SYSTEMS

There are 3 public community water systems in Rowan County: 1 municipal, Morehead Utility Plant Board; 1 water district, Rowan Water, Inc.; and 1 state, Morehead State University WTP.

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# WATER SERVICE AREAS

## ROWAN COUNTY

### Kentucky

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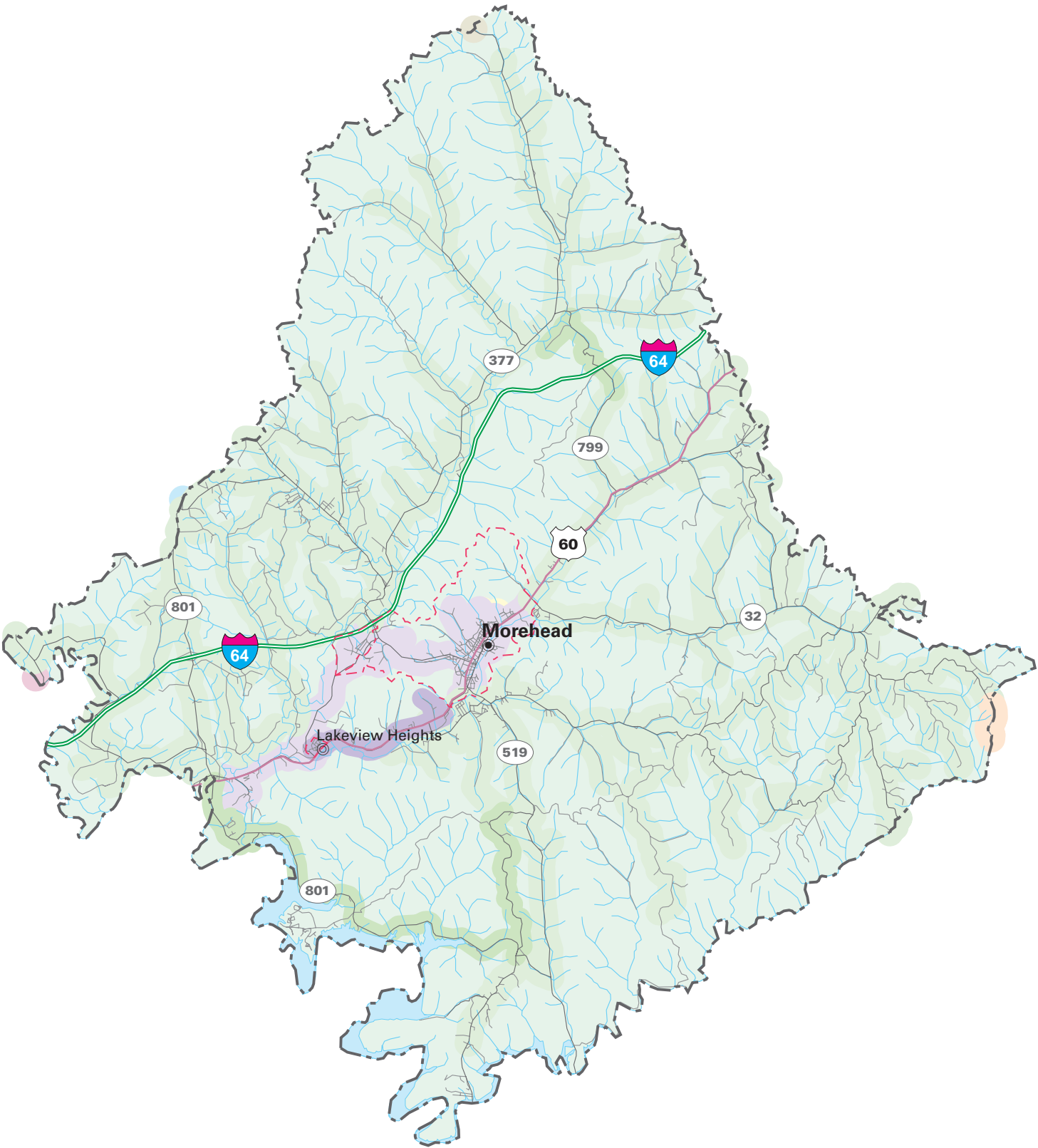
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WATER SERVICE STATUS BY OWNER		
EXISTING SERVICE AREA	PROPOSED SERVICE AREA	
		VANCEBURG ELECTRIC PLANT BOARD
		SANDY HOOK WATER DISTRICT
		ROWAN WATER INCORPORATED
		MOREHEAD UTILITY PLANT BOARD
		MOREHEAD STATE UNIVERSITY WATER TREATMENT PLANT
		FLEMING COUNTY WATER ASSOCIATION
		BATH COUNTY WATER DISTRICT

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**MOREHEAD UTILITY PLANT BOARD**

PWSID: ..... 1030292  
System Type:..... COMMUNITY  
Owner Type:..... MUNICIPAL  
Surface Source:..... LICKING RIVER  
Purchase Source:  
Well Source:  
Sells Water to: ..... ROWAN WATER INCORPORATED  
Treatment Plant Capacity (MGD):..... 0.00  
Percent Daily Average Production:..... 78.00  
Total Tank Storage Capacity (gallons):..... 0.00  
Total Service Connections: ..... 3,115.00  
Number of Employees:..... 36.00  
Treatment Operator Class:..... 2D  
Distribution Operator Class:..... 4A  
Customer Rate for 1,000 Gallons:..... Not available  
O/M costs 1997:..... Not available  
O/M costs per Service Connection: ..... Not available  
Net Revenue 1997:..... Not available  
Total Water Produced 1997 (gallons):..... Not available  
Water Sold 1997 (gallons):..... Not available  
Unaccounted-for Water 1997 (%): ..... Not available

**ROWAN WATER INCORPORATED**

PWSID: ..... 1030375  
System Type:..... COMMUNITY  
Owner Type:..... WATER DISTRICT  
Surface Source:  
Purchase Source: ..... LICKING RIVER  
Well Source:  
Sells Water to: ..... BATH COUNTY WATER DISTRICT  
Treatment Plant Capacity (MGD):..... 0.00  
Percent Daily Average Production:..... 0.00  
Total Tank Storage Capacity (gallons):..... 40,000.00  
Total Service Connections: ..... 5,000.00  
Number of Employees:..... 9.00  
Treatment Operator Class:..... 2D  
Distribution Operator Class:  
Customer Rate for 1,000 Gallons:..... 4.50  
O/M costs 1997:..... 845,154.00  
O/M costs per Service Connection: ..... 161.47  
Net Revenue 1997:..... 50,861.00  
Total Water Produced 1997 (gallons):..... 0.00  
Water Sold 1997 (gallons):..... 346,504,000.00  
Unaccounted-for Water 1997 (%): ..... 18.30

**OTHER SYSTEMS**

**MOREHEAD STATE UNIVERSITY WATER TREATMENT PLANT**

PWSID: ..... 1030480

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System Type:.....	COMMUNITY
Owner Type:.....	STATE
Surface Source:.....	EAGLE LAKE
Purchase Source:	
Well Source:	
Sells Water to:	
Treatment Plant Capacity (MGD):.....	1.34
Percent Daily Average Production:.....	26.00
Total Tank Storage Capacity (gallons):.....	450,000.00
Total Service Connections: .....	62.00
Number of Employees:.....	14.00
Treatment Operator Class: .....	2D
Distribution Operator Class:.....	3A
Customer Rate for 1,000 Gallons:.....	Not available
O/M costs 1997:.....	Not available
O/M costs per Service Connection: .....	Not available
Net Revenue 1997:.....	Not available
Total Water Produced 1997 (gallons):.....	Not available
Water Sold 1997 (gallons):.....	Not available
Unaccounted-for Water 1997 (%): .....	Not available

Morehead State University Water Treatment Plant is located in Rowan County. The system serves a population of 9,200 and has 62 service connections. The state, community system has treatment capacity of 1,300,000 gallons per day and storage capacity of 450,000 gallons. The water source is Triplet Creek.

## PRIVATE DOMESTIC SYSTEMS

About 2,300 people in Rowan County rely on private domestic water supplies: 1,600 on wells and 700 on other sources.

Some wells located in the Licking River valley and the major creek valleys and in far eastern Rowan County will produce enough water for a domestic supply except during dry weather. In the upland areas of Rowan County, which encompasses 70% of the county, most drilled wells will not produce enough water for a dependable domestic supply except along drainage lines that may produce enough water except during dry weather.

Throughout the county ground water is hard or very hard and may contain salt or hydrogen sulfide, especially at depths greater than 100 feet.

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